

ABSTRACT OF THE DISCLOSURE

A luminance control circuit has luminance change characteristics similar to those of a conventional lamp when a light emitting diode is used as a light source. The luminance control circuit adjusts the value of a forward current flowing in the light emitting diode in accordance with a control voltage which is obtained by smoothing a light adjustment pulse signal from an illuminance control circuit. The circuit has: a pulse adjustor for adjusting a duty factor of the light adjustment pulse signal according to characteristics of the light emitting diode; holding circuit for holding the control voltage to a predetermined value or more; and a switch for interrupting the forward current flowing in the light emitting diode by using the light adjustment pulse signal or a pulse signal after the adjustment of the duty factor, wherein at least two of these three elements are used in combination.

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